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GENERAL AVIATION STATISTICAL DATABOOK

1987 Edition

FOREWORD

The GENERAL AVIATION STATISTICAL DATABOOK has become a helpful tool to those examining our industry.

The 1987 DATABOOK continues in its previous format, providing information on general aviation shipments, aircraft fleet, pilot population, airports, international trade, safety and aircraft utilization.

Information on airports and pilot population will be of special interest to users since other publications offering this data are not available this year from traditional sources.

We hope you'll keep your DATABOOK handy as a quick reference for all your questions on general aviation. As always, however, we at GAMA are ready to provide more information and assistance as needed.

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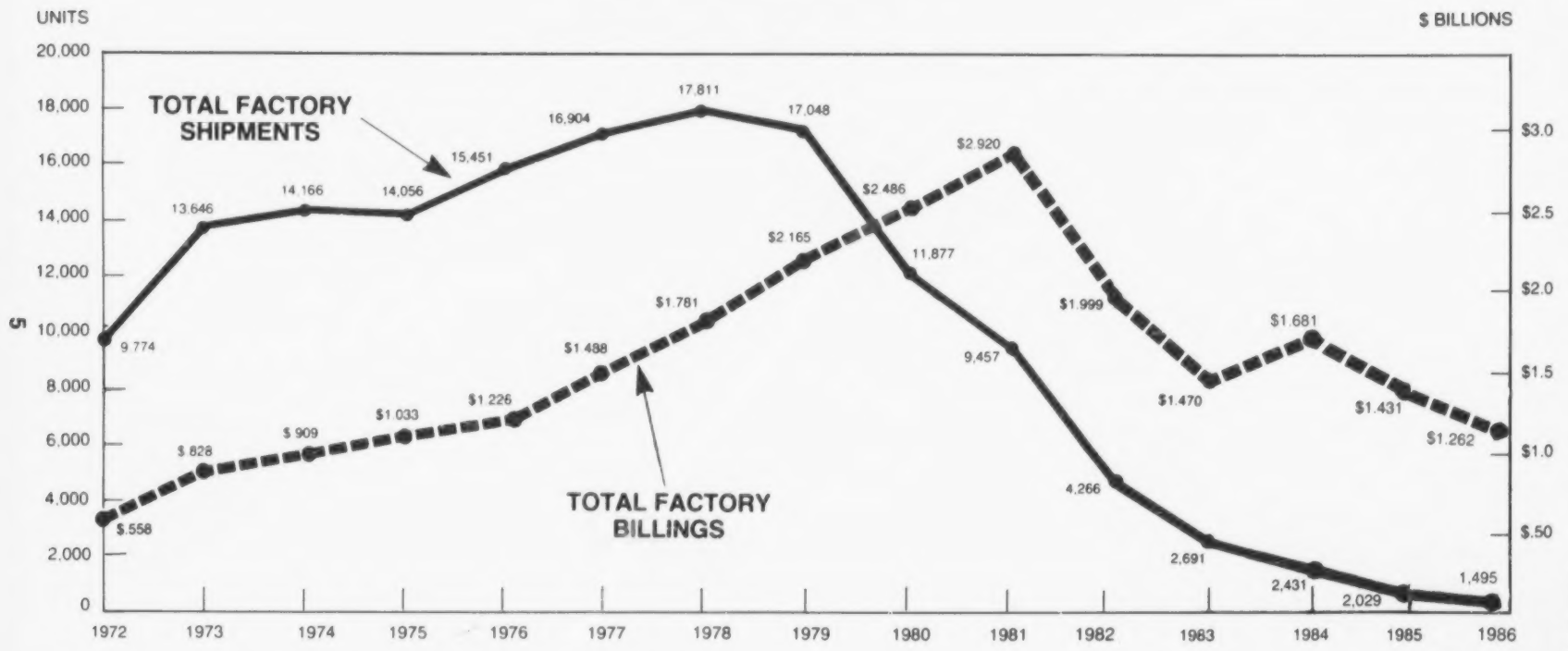
SHIPMENT STATISTICS

Annual Shipments of New U.S. General Aviation Aircraft by Units Shipped, Number of Companies Reporting, and Factory Net Billings

Year	Units Shipped	Companies Reporting	Factory Net Billings (Millions)
1946	35,000	—	$ 110.0
1947	15,594	15	57.9
1948	7,037	12	32.4
1949	3,405	11	17.7
1950	3,386	13	19.1
1951	2,302	12	16.8
1952	3,058	8	26.8
1953	3,788	7	34.4
1954	3,071	7	43.4
1955	4,434	7	68.2
1956	6,738	8	103.7
1957	6,118	9	99.6
1958	6,414	10	101.9
1959	7,689	9	129.8
1960	7,588	8	151.2
1961	6,778	8	124.3
1962	6,697	7	136.8
1963	7,569	7	153.4
1964	9,336	8	198.8
1965	11,852	8	318.2
1966	15,768	10	444.9
1967	13,577	14	359.6
1968	13,698	14	425.7
1969	12,457	14	584.5
1970	7,292	13	337.0
1971	7,466	11	321.5
1972	9,774	12	557.6
1973	13,646	12	828.1
1974	14,166	12	909.4
1975	14,056	12	1,032.9
1976	15,451	12	1,225.5
1977	16,904	12	1,488.1
1978	17,811	12	1,781.2
1979	17,048	12	2,165.0
1980	11,877	12	2,486.2
1981	9,457	12	2,919.9
1982	4,266	11	1,999.5
1983	2,691	10	1,469.5
1984	2,431	9	1,680.7
1985	2,029	9	1,430.6
1986	1,495	9	1,261.9

Source: GAMA

General Aviation Unit Shipments/Billings



. . . AND BILLINGS

GAMA General Aviation Aircraft Shipments by Type of Aircraft

Year	Total	Single Engine	Multi-Engine	Total Piston	Turboprop	Jet
1962	6,697	5,690	1,007	6,697	-0-	-0-
1963	7,569	6,248	1,321	7,569	-0-	-0-
1964	9,336	7,718	1,606	9,324	9	3
1965	11,852	9,873	1,780	11,653	87	112
1966	15,768	13,250	2,192	15,442	165	161
1967	13,577	11,557	1,773	13,330	149	98
1968	13,698	11,398	1,959	13,357	248	93
1969	12,457	10,054	2,078	12,132	214	111
1970	7,292	5,942	1,159	7,101	135	56
1971	7,466	6,287	1,043	7,330	89	47
1972	9,774	7,913	1,548	9,446	179	134
1973	13,646	10,788	2,413	13,193	247	198
1974	14,166	11,579	2,135	13,697	250	202
1975	14,056	11,441	2,116	13,555	305	194
1976	15,451	12,785	2,120	14,905	359	187
1977	16,904	14,054	2,195	16,249	428	227
1978	17,811	14,398	2,634	17,032	548	231
1979	17,048	13,286	2,843	16,129	639	282
1980	11,877	8,640	2,116	10,756	778	326
1981	9,457	6,608	1,542	8,150	918	389
1982	4,266	2,871	678	3,549	458	259
1983	2,691	1,811	417	2,228	321	142
1984	2,431	1,620	371	1,991	271	169
1985	2,029	1,370	193	1,563	321	145
1986	1,495	985	138	1,123	250	122

Source: GAMA

Estimated Value of GAMA General Aviation Aircraft Shipments By Type of Aircraft (In millions)

Year	Single Engine	Multi-Engine	Total Piston	Turboprop	Jet	Total Turbine
1975	$290	$280	$ 570	$ 180	$ 281	$ 461
1976	376	320	696	238	293	531
1977	473	390	863	296	329	625
1978	516	493	1,009	394	378	772
1979	523	555	1,078	548	540	1,088
1980	391	403	794	875	816	1,691
1981	327	348	675	1,120	1,125	2,245
1982	200	220	420	590	990	1,580
1983	145	115	260	460	750	1,210
1984	147	133	280	436	966	1,402
1985	126	68	194	524	713	1,237
1986	80	43	123	430	709	1,139

Source: GAMA

GAMA General Aviation Aircraft Shipments by Year and Quarter

YEAR	Quarter I	Quarter II	Quarter III	Quarter IV
1962	1,782	1,744	1,329	1,842
1963	1,806	2,000	1,625	2,138
1964	2,156	2,503	1,934	2,743
1965	2,642	3,008	2,859	3,343
*1966	3,855	4,266	3,881	3,585
*1967	3,392	3,480	2,601	3,811
*1968	3,661	3,545	3,282	3,068
*1969	3,297	3,592	2,825	2,693
*1970	1,929	2,099	1,749	1,500
*1971	1,771	1,902	1,903	1,770
1972	2,157	2,564	2,417	2,636
1973	3,246	3,555	3,442	3,403
1974	3,493	3,576	3,488	3,609
1975	3,777	3,562	3,291	3,426
1976	3,949	4,159	3,479	3,864
1977	4,124	4,513	3,985	4,282
1978	4,176	4,621	4,672	4,342
1979	4,259	4,602	4,426	3,761
1980	3,512	2,756	2,796	2,813
1981	2,389	2,631	2,529	1,908
1982	1,390	1,126	890	860
1983	659	709	717	606
1984	523	563	681	664
1985	455	519	581	474
1986	285	364	393	453

*Quarterly figures do not sum to annual because some manufacturers reported annual shipments only.

Source: GAMA

GAMA General Aviation Aircraft Exports

Year	Units Exported	% of Total Production	Factory Net Billings (Millions)	% of Total Dollars
1965	2,325	19.6%	$ 61.2	19.2%
1966	2,903	18.4%	75.4	16.9%
1967	3,035	22.4%	76.5	21.3%
1968	2,803	20.5%	91.5	21.5%
1969	2,623	21.1%	107.1	18.3%
1970	2,170	29.8%	98.9	29.3%
1971	1,854	24.8%	95.6	29.7%
1972	2,254	23.1%	137.9	24.7%
1973	3,530	25.9%	230.2	27.8%
1974	4,248	30.0%	287.5	31.6%
1975	3,512	25.0%	308.1	29.8%
1976	3,539	22.9%	331.2	27.0%
1977	3,611	21.4%	354.5	23.8%
1978	3,612	20.3%	486.7	27.3%
1979	3,995	23.4%	600.9	27.8%
1980	3,555	29.9%	756.4	30.4%
1981	2,270	24.0%	749.0	25.7%
1982	1,162	27.2%	650.2	32.5%
1983	513	19.1%	316.5	21.5%
1984	334	13.7%	260.7	15.5%
1985	354	17.4%	229.9	16.1%
1986	440	29.4%	343.6	27.2%

Source: GAMA

GAMA General Aviation Aircraft Exports by Type

Year	Single Engine	Multi-Engine	Turboprop	Turbojet
1972	1715	455	55	29
1973	2674	732	58	66
1974	3371	732	75	70
1975	2680	644	122	66
1976	2704	669	114	52
1977	2835	594	126	56
1978	2712	652	166	82
1979	2942	774	181	98
1980	2565	635	245	110
1981	1546	363	259	102
1982	718	227	135	82
1983	298	119	66	30
1984	199	80	24	31
1985	208	65	53	28
1986	271	71	66	32

Source: GAMA

U.S. GENERAL AVIATION FLEET AND FLIGHT ACTIVITY

Number of Active General Aviation Aircraft in 1985
By Type and Primary Use

Aircraft Type	Active GA Aircraft	Executive	Business	Personal	Instructional	Aerial Application	Aerial Observation	Other Work	Commuter Air Carrier	Air Taxi	Rental	Other
Total All Aircraft	**210,654**	13,610	45,544	103,053	14,410	7,286	4,533	1,620	875	6,459	7,919	5,344
Piston—Total	188,191	6,495	43,419	97,779	13,474	6,485	3,336	1,176	455	4,812	7,409	3,351
One-Engine	164,385	2,215	33,959	93,214	12,810	6,064	3,075	1,140	5	2,032	7,191	2,679
Two-Engine	23,659	4,270	9,457	4,551	664	365	261	34	424	2,779	216	639
Other Piston	148	10	3	14	0	56	0	2	26	1	2	32
Turboprop—Total	5,407	2,983	973	124	65	62	10	3	329	504	29	323
Two-Engine	5,240	2,975	962	115	59	0	10	3	313	477	29	296
Other Turboprop	167	8	12	10	6	62	0	0	16	26	0	27
Turbojet—Total	4,375	3,169	315	125	2	7	20	0	58	323	66	290
Two-Engine	3,914	2,896	295	101	2	7	20	0	58	318	0	216
Other Turbojet	460	272	21	23	0	0	0	0	0	5	66	73
Rotocraft—Total	6,418	901	685	768	463	732	1,001	274	32	820	36	705
Piston	2,877	26	281	713	379	575	446	49	19	30	6	350
Turbine	3,541	875	403	54	84	156	555	226	14	789	30	355
Other—Total	6,263	62	152	4,257	406	0	165	167	0	0	379	675

Source: FAA

NOTE: Row and column summation may differ from printed totals due to estimation procedures, or because some active aircraft did not report use.

U.S. Active General Aviation Aircraft by Region and State (as of December 31, year indicated)

	1985	1984	1983	1982	1981
ALASKAN	**6,421**	**7,684**	**6,075**	**6,924**	**6,450**
Alaska	6,421	7,684	6,075	6,294	6,450
CENTRAL	**12,377**	**13,331**	**12,720**	**13,069**	**14,489**
Iowa	2,800	3,416	3,165	3,455	3,747
Kansas	3,855	3,713	4,519	3,534	3,932
Missouri	3,934	4,396	3,858	4,540	4,465
Nebraska	1,788	1,805	1,178	1,539	2,343
EASTERN	**22,585**	**24,297**	**24,006**	**23,226**	**21,988**
Delaware	530	533	809	586	549
District of Columbia	50	31	58	152	54
Maryland	2,654	2,870	3,116	2,646	2,645
New Jersey	3,741	4,041	4,021	3,858	3,659
New York	6,164	6,599	6,045	6,118	5,687
Pennsylvania	5,705	6,205	6,174	6,313	5,666
Virginia	2,741	3,137	2,554	2,327	2,784
West Virginia	1,000	880	1,229	1,227	942
GREAT LAKES	**37,417**	**39,788**	**38,072**	**37,825**	**43,206**
Illinois	7,155	9,087	7,700	7,983	8,692
Indiana	4,139	3,797	4,207	3,074	4,285
Michigan	7,511	7,066	7,079	7,065	7,430
Minnesota	4,350	5,139	4,733	4,493	5,417
North Dakota	1,655	1,572	1,734	1,705	1,709
Ohio	7,686	7,553	7,478	8,162	8,406
South Dakota	1,227	1,393	1,360	1,360	1,125
Wisconsin	3,694	4,180	3,782	3,983	4,432
NEW ENGLAND	**8,016**	**8,393**	**8,025**	**7,861**	**7,224**
Connecticut	1,724	1,863	1,426	1,798	1,686
Maine	1,039	1,055	1,263	1,109	1,156
Massachusetts	2,994	3,316	2,737	2,959	2,409
New Hampshire	1,363	1,298	1,430	1,197	1,202
Rhode Island	220	396	510	266	320
Vermont	676	466	660	532	447

	1985	1984	1983	1982	1981
NORTHWEST MOUNTAIN	**20,901**	**24,502**	**22,064**	**22,530**	**24,648**
Colorado	4,606	5,180	4,407	4,982	5,498
Idaho	1,839	2,328	2,146	2,376	2,349
Montana	1,890	2,472	2,538	2,193	2,463
Oregon	4,622	5,032	4,689	4,789	5,640
Utah	1,106	1,337	1,440	1,196	1,508
Washington	5,740	6,665	5,645	5,532	6,048
Wyoming	1,098	1,474	1,192	1,462	1,142
SOUTHERN	**32,430**	**34,007**	**34,356**	**32,604**	**33,331**
Alabama	2,608	3,234	2,594	2,628	2,980
Florida	12,340	12,720	12,688	12,297	12,863
Georgia	4,588	4,450	4,955	4,997	4,477
Kentucky	1,635	1,802	1,752	1,525	1,687
Mississippi	2,139	2,082	2,706	2,252	2,132
North Carolina	4,544	4,412	4,344	3,740	4,300
Puerto Rico	233	422	362	251	124
South Carolina	1,700	1,661	1,686	1,766	1,870
Tennessee	2,643	2,884	2,935	2,924	2,730
SOUTHWEST	**32,414**	**35,341**	**35,478**	**34,690**	**33,440**
Arkansas	2,687	2,920	2,977	2,994	2,486
Louisiana	3,674	4,627	3,972	3,742	3,908
New Mexico	1,942	2,300	2,387	2,323	2,247
Oklahoma	4,234	5,345	5,634	5,440	5,185
Texas	19,877	19,941	20,414	20,000	19,481
WESTERN-PACIFIC	**36,481**	**38,414**	**36,820**	**35,146**	**37,992**
Arizona	4,796	5,177	4,737	4,679	4,976
California	29,392	30,494	29,236	27,848	30,873
Hawaii	348	463	381	426	623
Nevada	1,945	1,823	2,288	2,018	1,520
Other U.S. Territories	**174**	**76**	**188**	**72**	**54**
Foreign-Total	**1,421**	**1,469**	**938**	**778**	**NA**
Grand Total	**210,654**	**220,943**	**213,293**	**209,779**	**213,226**

Column totals may differ from printed totals due to estimation procedures.

Source: FAA

FLIGHT HOURS BY TYPE . . .

Estimated Hours Flown in General Aviation by Type of Aircraft
(in Thousands of Hours)

As of December 31	Total	Fixed Wing			Rotocraft		Balloons Dirigibles Gliders
		Piston	Turboprop	Turbojet	Piston	Turbine	
1977	35,791	30,965	1,549	1,165	609	1,259	245
1978	39,409	34,043	1,606	1,194	806	1,421	338
1979	43,340	37,303	1,871	1,259	892	1,664	353
1980	41,016	34,747	2,240	1,332	736	1,603	359
1981	40,704	34,086	2,155	1,387	930	1,754	391
1982	36,457	29,950	2,168	1,611	579	1,771	379
1983	35,249	28,911	2,173	1,473	572	1,700	420
1984	36,119	29,194	2,506	1,566	592	1,903	358
1985	34,063	27,793	2,080	1,622	564	1,590	414

Note: Columns may not add due to rounding and estimation procedures.

Source: FAA

. . . AND PER AIRCRAFT

Active U.S. General Aviation Aircraft and Average Hours Annually Flown Per Aircraft, by Type

	Estimated Active Aircraft					Average Hours/Aircraft/Yr.				
	1985	1984	1983	1982	1981	1985	1984	1983	1982	1981
TOTAL AIRCRAFT	**210,654**	**220,943**	**213,293**	**209,779**	**213,226**	**158**	**158**	**164**	**174**	**188**
Piston Total	**188,191**	**197,442**	**191,480**	**189,195**	**193,370**	**147**	**147**	**151**	**160**	**175**
Single engine	**164,385**	**171,922**	**166,427**	**164,173**	**167,898**	**140**	**138**	**139**	**149**	**166**
1–3 seats	58,829	61,989	59,199	57,670	59,914	135	139	140	146	171
4 + seats	105,555	109,933	107,228	106,503	107,983	142	137	139	151	163
Multi-engine	**23,659**	**25,258**	**24,910**	**24,882**	**25,356**	**208**	**218**	**231**	**231**	**251**
1–6 seats	15,627	16,539	16,249	16,381	16,749	174	181	187	187	215
7 + seats	8,032	8,719	8,660	8,501	8,607	274	303	318	317	326
Other Piston	148	262	143	140	114	184	433	240	247	197
Turboprop Total	**5,407**	**5,809**	**5,453**	**5,186**	**4,660**	**362**	**414**	**389**	**396**	**470**
Twin Engine										
1–12 seats	4,633	4,992	4,733	4,427	3,968	319	342	301	356	398
13 + seats	607	640	578	610	557	831	1,112	1,139	853	989
Other Turboprop	167	176	142	149	134	397	339	579	394	499
Turbojet Total	**4,375**	**4,320**	**3,898**	**3,996**	**3,171**	**369**	**354**	**382**	**404**	**436**
Twin Engine	3,914	3,780	3,447	3,309	2,808	375	349	392	407	443
Other	460	540	451	687	362	325	393	274	385	377
Rotocraft Total	**6,418**	**7,096**	**6,540**	**6,169**	**6,974**	**336**	**344**	**350**	**383**	**391**
Piston	2,877	2,936	2,541	2,419	3,250	192	187	221	237	285
Turbine	3,541	4,160	3,998	3,749	3,724	460	469	432	474	490
Other	**6,263**	**6,275**	**5,923**	**5,233**	**5,049**	**67**	**56**	**71**	**72**	**78**

Source: FAA

PILOTS

Active U.S. Pilot and Non-Pilot Certificates Held
(as of December 31, year indicated)

Category	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Pilot—total	**714,607**	**733,728**	**728,187**	**744,246**	**783,932**	**798,833**	**814,667**	**827,071**	**764,182**	**733,255**	**718,004**	**722,376**	**709,540**	**709,118**
Student	181,905	180,795	176,978	188,801	203,510	204,874	210,180	199,833	179,912	156,361	147,197	150,081	146,652	150,273
Private	298,921	305,848	305,863	309,005	327,424	337,644	343,276	357,479	328.562	322,094	318,643	320,086	311,086	305,736
Commercial	182,444	192,425	189,342	187,801	188,763	185,833	182,097	183,442	168,580	165,093	159,495	155,929	151,632	147,798
Airline transport	38,139	41,002	42,592	45,072	50,149	55,881	63,652	69,569	70,311	73,471	75,938	79,192	82,740	87,186
Helicopter (only)	5,968	5,647	4,932	4,804	4,819	4,874	5,218	6,030	6,453	7,034	7,237	7,532	8,123	8,122
Glider (only)*	4,288	4,824	5,348	5,789	6,208	6,541	6,796	7,039	7,388	7,842	8,157	8,390	8,168	8,411
Lighter-than-air[1]*	2,942	3,187	3,132	2,974	3,059	3,186	3,448	3,679	2,976	1,360	1,337	1,166	1,139	1,133
Nonpilot—total	**304,747**	**314,394**	**323,934**	**334,681**	**348,584**	**362,350**	**377,213**	**393,486**	**398,368**	**420,595**	**432,890**	**447,462**	**412,741**	**410,079**
Mechanic[1]	193,337	198,863	205,436	212,303	220,768	228,743	237,611	250,157	262,705	277,436	288,355	298,028	274,100	284,241
Parachute rigger[1]	6,941	7,900	8,327	8,718	8,994	9,200	9,831	9,547	9,716	9,893	10,074	10,194	9,395	9,535
Ground instructor[1]	46,827	49,249	51,365	53,464	55,717	57,738	59,680	61,550	63,246	65,004	66,385	67,463	58,214	59,443
Dispatcher[1]	5,527	5,576	5,741	5,838	5,972	6,161	6,446	6,799	7,094	7,580	8,223	8,980	8,511	9,025
Flight navigator	2,636	2,509	2,321	2,214	2,155	2,092	1,994	1,936	1,785	1,695	1,636	1,603	1,542	1,512
Flight engineer	26,229	26,955	26,788	27,560	29,871	33,028	36,869	38,367	38,294	38,053	38,546	40,534	43,377	46,323
Flight instructor certificates**	36,795	42,418	44,777	46,236	49,362	52,201	54,398	60,440	57,523	62,492	62,201	61,173	58,940	57,355
Instrument Ratings[2]	185,969	199,323	203,954	211,364	226,334	236,312	247,096	260,461	252,535	255,073	254,271	256,584	258,559	258,845

Source: FAA

*Glider and lighter-than-air pilots are not required to have a medical examination; however the totals above represent pilots who received a medical examination.

**"Flight Instructor Certificates and Ratings" totals ARE NOT included in the "Nonpilot—Total."

[1]No medical examination required. Number represents all certificates on record.

[2]Special ratings shown on pilot certificates, i.e., do not indicate additional certificates.

[a]Does not include approximately 15,000 air traffic controllers. Their medical certificates are no longer processed by the Civil Aeromedical Institute (CAMI). They are being processed by a separate system, and will be included in future counts.

Estimated: 1980 is based on a 27-month criteria only. Other years are based on a 25-month Criteria.

Estimated Active Pilots and Flight Instructors by FAA Region and State (December 31, 1986)

FAA Region and State	Total Pilots	Students	Private	Commercial	Airline Transport	Misc.[2]	Flight Instructor[3]
Total[1]	**709,118**	**150,273**	**305,736**	**147,798**	**87,186**	**18,125**	**57,355**
United States—Total[1]	**690,858**	**147,400**	**302,721**	**142,371**	**80,676**	**17,690**	**56,591**
Alaskan Region—Total	**11,212**	**2,185**	**5,204**	**2,682**	**974**	**167**	**815**
Central—Total	**36,574**	**6,380**	**18,919**	**7,598**	**3,130**	**547**	**2,973**
Iowa	7,909	1,361	4,543	1,504	395	106	604
Kansas	10,296	1,576	5,450	2,240	882	148	841
Missouri	12,830	2,495	5,974	2,573	1,549	239	1,153
Nebraska	5,539	948	2,952	1,281	304	54	375
Eastern—Total	**92,287**	**22,392**	**38,014**	**18,190**	**10,602**	**3,089**	**8,179**
Delaware	1,616	328	669	361	225	33	190
District of Columbia	672	142	296	146	46	42	54
Maryland	9,894	2,332	4,394	1,909	978	281	844
New Jersey	15,272	3,616	6,075	2,795	2,286	500	1,403
New York	26,112	6,925	10,906	4,963	2,224	1,094	2,225
Pennsylvania	21,063	5,229	9,079	3,668	2,445	642	1,982
Virginia	15,079	3,159	5,379	3,871	2,226	444	1,272
West Virginia	2,579	661	1,216	477	172	53	209
Great Lakes—Total	**116,844**	**25,360**	**56,875**	**21,632**	**11,011**	**1,966**	**9,777**
Illinois	27,681	6,105	12,746	4,982	3,382	466	2,448
Indiana	12,585	2,825	6,265	2,342	934	219	1,071
Michigan	20,448	4,681	10,233	3,512	1,576	446	1,671
Minnesota	15,775	2,984	7,504	2,966	2,153	168	1,260
North Dakota	3,431	724	1,686	907	96	18	231
Ohio	22,812	5,160	11,013	4,324	1,813	502	2,051
South Dakota	2,649	471	1,354	647	146	31	188
Wisconsin	11,463	2,410	6,074	1,952	911	116	857
New England—Total	**34,188**	**8,537**	**14,330**	**6,031**	**4,249**	**991**	**2,627**
Connecticut	9,440	2,228	3,564	1,639	1,744	265	752
Maine	3,919	939	1,809	831	290	50	256
Massachusetts	12,807	3,475	5,722	2,138	1,045	427	964
New Hampshire	4,581	988	1,730	869	861	133	384
Rhode Island	1,643	445	709	295	145	49	128
Vermont	1,798	462	796	309	164	67	143
N.W. Mountain—Total	**66,826**	**13,484**	**29,515**	**13,672**	**8,281**	**1,874**	**5,730**
Colorado	16,523	4,318	6,884	3,490	2,990	841	1,817
Idaho	4,347	743	2,197	1,009	332	66	355
Montana	4,323	767	2,250	977	274	55	353
Oregon	10,145	1,857	5,392	2,090	596	210	780
Utah	5,479	1,277	2,444	1,002	609	147	416
Washington	21,593	3,869	9,051	4,640	3,304	526	1,822
Wyoming	2,416	450	1,297	464	176	29	187
Southern—Total	**116,459**	**24,952**	**45,610**	**26,212**	**16,492**	**3,193**	**9,442**
Alabama	9,301	1,823	3,640	2,397	628	813	897
Florida	45,466	9,122	17,797	10,756	6,968	823	3,711
Georgia	17,903	3,705	6,181	3,901	3,753	363	1,346
Kentucky	5,860	1,359	2,625	1,007	626	243	504
Mississippi	4,959	1,149	1,966	1,443	314	87	362
North Carolina	14,330	3,458	5,985	2,865	1,611	411	1,049
South Carolina	6,795	1,664	2,765	1,626	612	128	485
Tennessee	11,845	2,672	4,651	2,217	1,980	325	1,088
Southwest—Total	**88,968**	**17,836**	**37,651**	**20,137**	**11,365**	**1,979**	**7,541**
Arkansas	6,129	1,319	2,733	1,596	409	72	492
Louisiana	9,565	1,942	3,817	2,605	866	335	804
New Mexico	5,435	1,245	2,346	1,202	432	210	430
Oklahoma	12,305	2,518	6,132	2,584	884	187	927
Texas	55,534	10,812	22,623	12,150	8,774	1,175	4,888
Western-Pacific—Total	**127,500**	**26,274**	**56,603**	**26,167**	**14,572**	**3,884**	**9,507**
Arizona	15,407	3,207	6,807	3,270	1,595	528	1,249
California	103,148	21,101	46,723	20,913	11,427	2,984	7,527
Hawaii	3,327	842	864	793	603	225	246
Nevada	5,618	1,124	2,209	1,191	947	147	485
Outside U.S.—Total	**18,260**	**2,873**	**3,015**	**5,427**	**6,510**	**435**	**764**
U.S. Territories—Total[4]	**2,071**	**652**	**685**	**355**	**347**	**31**	**0**
American Samoa	5	0	0	1	4	0	0
Canal Zone	2	1	0	1	0	0	0
Guam	122	37	22	21	42	0	0
Puerto Rico	1,593	537	541	256	231	28	0
Virgin Islands	463	76	122	76	69	3	0
Wake Island	3	1	0	1	1	0	0

Source: FAA

[1]Includes Outside U.S.
[2]Includes helicopter, glider, and lighter-than-air.
[3]Not included in total.
[4]Outside U.S. includes Other U.S. Areas outside of the 50 states and foreign countries.
[5]Other U.S. Areas are included in Outside U.S. Total.
Estimated: Data is based on a 25-month criteria.

U.S. Student Pilot Certificates Processed by Month and Year

Month	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Total	**121,543**	**131,384**	**113,997**	**127,424**	**129,280**	**138,816**	**137,032**	**139,956**	**102,301**	**117,962**	**86,731**	**94,981**	**91,395**	**87,004**	**88,126**
January	7,515	7,608	8,200	9,794	11,853	10,247	7,385	12,926	10,462	9,179	7,289	6,726	8,248	7,151	6,068
February	7,936	8,622	6,195	7,506	6,396	8,010	8,253	10,585	7,835	8,568	6,499	4,859	7,353	4,907	5,097
March	10,176	9,963	7,661	9,445	10,921	11,921	11,234	9,525	7,872	9,718	6,857	6,893	6,228	6,406	6,254
April	10,445	10,513	7,690	8,654	10,835	9,871	10,646	9,968	7,775	7,036	5,372	7,304	6,660	6,466	6,540
May	10,495	10,712	10,013	10,204	10,749	10,286	11,032	9,919	8,510	8,387	5,053	7,667	6,446	6,020	6,085
June	11,174	12,242	10,970	9,865	10,322	11,573	11,490	9,308	8,577	8,885	6,632	5,811	7,082	5,727	5,763
July	10,366	13,473	10,261	12,339	12,300	11,372	10,544	13,266	6,941	8,387	6,416	5,330	8,015	6,638	7,429
August	15,007	14,643	12,431	12,471	12,930	15,262	13,839	16,920	10,590	8,363	8,536	10,407	9,821	8,292	8,544
September	10,850	11,568	10,320	13,587	12,320	13,987	11,904	12,051	9,936	10,713	8,850	11,913	7,833	8,674	11,862
October	10,962	11,715	10,863	11,979	8,864	11,678	15,548	11,926	9,186	14,327	8,254	11,214	7,851	11,601	9,597
November	10,298	12,385	9,770	11,681	12,292	15,114	13,096	12,928	7,052	12,424	8,407	8,529	7,390	8,138	8,070
December	6,319	7,940	9,353	9,899	9,498	9,495	12,061	6,634	7,565	11,975	8,211	8,328	8,432	6,978	6,817

Source: FAA

Estimated Total and Instrument Rated Pilots: December 31, 1976–86

Calendar Year	Total Pilots[1]	Instrument Rated Pilots	
		Number	Percent of Total
1986	558,845	262,388	47
1985	562,888	258,559	46
1984	572,295	256,584	45
1983	570,807	254,271	45
1982	576,894	255,073	44
1981	584,270	252,535	43
1980	627,238	260,461	42
1979	604,487	247,096	41
1978	593,959	236,312	40
1977	580,422	226,334	39
1976	555,625	211,364	38

Source: FAA

[1]Excludes student pilots.

Estimated Instrument Ratings Held, By Class of Certificates: December 31, 1985 and 1986

Class of Certificates	1985	1986	Percent Change 1985–1986
Total—All Groups	**258,559**	**262,388**	**+1**
Private Pilots—Total	**43,902**	**45,672**	**+4**
Private Airplane (only)	40,330	41,947	+4
Private Airplane, Private Glider	954	955	+1
Private Airplane, Commercial Glider	85	95	+.1
Private Airplane, Private Helicopter	313	318	+12
Private Airplane, Private Glider, Private Helicopter	16	20	+25
Private Airplane, Commercial Helicopter	2,180	2,302	+6
Private Airplane, Private Gyroplane	2	2	0
Private Airplane, Private Glider, Commercial Helicopter	11	20	+82
Private Airplane, Commercial Glider, Commercial Helicopter	10	12	+20
Private Airplane, Other	1	1	0
Commercial Pilots—Total	**126,352**	**123,559**	**−2**
Commercial Airplane (only)	106,522	103,913	−2
Commercial Airplane, Private Glider	1,826	1,825	0
Commercial Airplane, Commercial Glider	3,318	3,227	−3
Commercial Airplane, Private Helicopter	208	224	+8
Commercial Airplane, Commercial Helicopter	13,723	13,624	−1
Commercial Airplane, Private Glider, Commercial Helicopter	151	143	−5
Commercial Airplane, Commercial Glider, Commercial Helicopter	549	549	0
Commercial Airplane, Commercial Gyroplane	14	13	−7
Commercial Airplane, Commercial Helicopter, Commercial Gyroplane	18	16	−11
Commercial Airplane, Commercial Gyroplane, Commercial Glider	1	1	0
Commercial Airplane, Commercial Glider, Private Helicopter	15	15	0
Commercial Airplane, Commercial Gyroplane, Commercial Helicopter, Commercial Glider	7	9	+9
Airline Transport Pilots—Total	**82,740**	**87,186**	**+5**
Airline Transport Airplane	81,367	85,714	+5
Airline Transport Airplane, Airline Transport Helicopter	1,373	1,472	+7
Rotorcraft Pilots—Total	**5,565**	**5,971**	**+7**
Commercial Helicopter	5,472	5,873	+7
Airline Transport Helicopter	82	89	+9
Rotorcraft Other	11	9	−18

Source: FAA

Estimated Active Women Pilot and Nonpilot Certificates Held
(as of December 31, year indicated)

Category of Certificates Held	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Pilot—total	**33,001**	**34,356**	**36,943**	**37,934**	**41,643**	**47,294**	**49,874**	**51,733**	**52,902**	**47,721**	**45,305**	**43,648**	**44,339**	**43,483**	**43,082**
Student	17,053	18,593	19,298	19,600	22,254	25,705	26,354	26,714	26,006	22,591	19,958	18,696	19,435	19,058	**18,899**
Private	13,391	13,232	14,465	14,952	15,838	17,702	19,267	20,275	21,554	19,602	19,388	18,801	18,616	17,974	**17,532**
Commercial	2,196	2,083	2,596	2,733	2,857	3,090	3,306	3,618	3,993	4,101	4,257	4,281	4,232	4,185	**4,176**
Airline transport	101	95	116	137	160	193	270	361	480	584	749	884	1,032	1,184	**1,334**
Helicopter (only)	10	7	5	11	17	18	17	27	55	87	113	144	167	196	**232**
Glider (only)[1]	201	216	271	301	352	391	433	461	496	540	574	599	631	653	**667**
Lighter-than-air[1]	49	130	192	200	165	195	227	277	318	216	266	243	226	233	**242**
Nonpilot—total	**3,038**	**2,621**	**2,998**	**3,171**	**3,378**	**3,672**	**3,984**	**4,350**	**4,779**	**5,201**	**5,697**	**6,151**	**6,591**	**6,017**	**6,502**
Mechanic[1]	349	284	315	360	422	505	600	695	890	1,051	1,298	1,493	1,649	1,775	1,964
Parachute rigger[1]	483	336	495	504	516	535	544	553	562	580	593	605	614	412	414
Ground instructor[1]	2,166	1,960	2,139	2,249	2,369	2,525	2,682	2,852	3,015	3,213	3,391	3,554	3,680	2,980	3,087
Dispatcher[1]	40	39	42	50	55	65	76	105	141	167	199	249	310	394	460
Flight engineer	0	2	7	8	16	42	82	145	171	189	215	248	336	455	577
Flight Navigator	0	0	0	0	0	0	0	0	0	1	1	2	2	1	0
Flight instructor**	664	618	834	945	1,054	1,238	1,458	1,699	2,079	2,165	2,532	2,685	2,736	2,731	2,687

Source: FAA

**"Flight Instructor" totals ARE NOT included in "Nonpilot—Total."

[1]No medical examination required. Number represents all certificates on record.

NOTE: Instrument ratings not reported.

Estimated: 1980 is based on a 27-month criteria only. Other years are based on a 25-month criteria.

AIRPORTS AND AERONAUTICAL FACILITIES

U.S. Civil and Joint-Use Airports, Heliports, Stolports, and Seaplane Bases on Record by Type of Ownership December 31, 1986

FAA Region and State	Total Facilities	By Ownership		Paved Airports[1]		Unpaved Airports[1]		Total Airports[1]
		Public	Private	Lighted	Not Lighted	Lighted	Not Lighted	Public Use
Total	**16,582**	**4,924**	**11,658**	**3,477**	**345**	**493**	**1,119**	**5,434**
United States—total*	**16,516**	**4,879**	**11,637**	**3,457**	**340**	**493**	**1,106**	**5,396**
Alaskan—total	**614**	**411**	**203**	**36**	**3**	**67**	**223**	**329**
Central—total	**1,421**	**473**	**948**	**382**	**14**	**77**	**79**	**552**
Iowa	279	121	158	94	1	38	16	149
Kansas	382	132	250	101	6	21	23	151
Missouri	429	126	303	113	5	9	20	147
Nebraska	331	94	237	74	2	9	20	105
Eastern—total	**2,134**	**330**	**1,804**	**335**	**26**	**63**	**114**	**538**
Delaware	37	4	33	5	0	5	1	11
District of Columbia	15	7	8	2	0	0	0	2
Maryland	155	22	133	28	3	4	8	43
New Jersey	286	35	251	39	3	6	9	57
New York	495	83	412	79	12	23	46	160
Pennsylvania	755	80	675	90	6	22	31	149
Virginia	299	72	227	64	1	2	9	76
West Virginia	92	27	65	28	1	1	10	40
Great Lakes—total	**4,071**	**883**	**3,188**	**712**	**26**	**183**	**193**	**1,114**
Illinois	894	108	786	89	2	22	7	120
Indiana	518	84	434	79	4	9	22	114
Michigan	419	131	288	116	9	36	57	218
Minnesota	472	147	325	97	1	33	19	150
North Dakota	499	96	403	64	5	16	15	100
Ohio	697	135	562	124	1	29	37	191
South Dakota	161	76	85	45	2	21	8	76
Wisconsin	411	106	305	98	2	17	28	145
New England—total	**536**	**137**	**399**	**118**	**18**	**3**	**43**	**182**
Connecticut	112	14	98	20	0	1	4	25
Maine	144	46	98	30	6	1	21	58
Massachusetts	141	33	108	37	5	0	5	47
New Hampshire	58	15	43	16	2	1	7	26
Rhode Island	20	9	11	6	1	0	0	7
Vermont	61	20	41	9	4	0	6	19

*United States total excludes Puerto Rico, Virgin Islands, N. Mariana Islands, and South Pacific.
[1]Among all airports open to the public, either privately or publicly owned.

(Continued from page 20)

FAA Region and State	Total Facilities	By Ownership		Paved Airports[1]		Unpaved Airports[1]		Total Airports[1]
		Public	Private	Lighted	Not Lighted	Lighted	Not Lighted	Public Use
Northwest Mountain—total	**1,685**	**666**	**1,019**	**372**	**65**	**41**	**166**	**654**
Colorado	323	93	230	59	9	6	10	84
Idaho	205	129	76	40	12	0	63	115
Montana	203	119	84	63	9	14	28	124
Oregon	351	97	254	56	18	7	24	105
Utah	105	57	48	39	4	1	6	50
Washington	396	123	273	82	11	12	25	130
Wyoming	102	48	54	33	2	1	10	46
Southern—total	**2,099**	**780**	**1,319**	**615**	**67**	**35**	**92**	**809**
Alabama	183	99	84	85	9	4	5	103
Florida	594	139	455	94	10	8	18	130
Georgia	325	128	197	98	11	4	5	118
Kentucky	139	69	70	52	10	1	11	74
Mississippi	190	84	106	70	12	3	8	93
North Carolina	307	95	212	80	5	8	32	125
Puerto Rico	30	14	16	9	2	0	0	11
South Carolina	137	64	73	53	3	6	10	72
Tennessee	186	82	104	72	5	1	3	81
Virgin Islands	8	6	2	2	0	0	0	2
Southwest—total	**2,661**	**729**	**1,932**	**608**	**57**	**20**	**125**	**810**
Arkansas	167	87	80	74	14	0	10	98
Louisiana	357	92	265	63	4	1	13	81
New Mexico	168	73	95	46	7	0	18	71
Oklahoma	341	137	204	113	9	9	35	166
Texas	1,628	340	1,288	312	23	10	49	394
Western—total	**1,361**	**515**	**846**	**299**	**68**	**4**	**74**	**446**
Arizona	262	93	169	51	6	0	21	78
California	895	315	580	205	51	2	12	270
Hawaii	51	18	33	10	3	0	0	13
Nevada	125	64	61	24	6	2	28	60
South Pacific**	28	25	3	9	3	0	13	25

*Excludes Puerto Rico, Virgin Islands, N. Mariana Islands, and South Pacific.

**American Samoa, Guam, and Trust Territories.

[1]**Among all airports open to the public, either publicly or privately owned.**

Source: FAA

FAA Air Route Facilities and Services: 1972 through 1985

December 31,	VOR VORTAC	Nondirectional Beacons	Air Route Traffic Control Centers	Airport Traffic Control Towers	Combined Station/ Towers	Flight Service Stations	International Flight Service Stations	Instrument Landing Systems	Airport Surveillance Radar
1972	991	706	27	355	42	324	7	403	125
1973	995	739	27	403	29	315	7	467	142
1974	1,000	793	27	417	21	320	7	490	156
1975	1,011	848	26	487	21	321	7	580	177
1976	1,020	920	25	488	16	321	7	640	175
1977	1,021	959	25	495	7	319	7	678	182
1978	1,020	988	25	494	7	319	6	698	185
1979	1,028	1,015	25	499	5	318	6	753	192
1980[R]	1,037	1,055	25	502	4	317	6	796	192
1981	1,033	1,123	25	501	1	316	6	840	199
1982	1,029	1,143	25	492	0	316	6	884	197
1983	1,032	1,183	25	494	0	316	5	934	197
1984	1,035	1,211	25	497	0	310	5	955	197
1985	1,039[A]	1,222[B]	25[C]	500[D]	0	302	4	968[E]	198[F]

[A]Includes 70 nonfederal and 38 military.

[B]Includes 855 nonfederal and 64 military.

[C]Includes 3 military combined center/radar approach control facilities (CERAP).

[D]Includes 28 nonfederal and 24 military.

[E]Includes 17 Landing Directional Aid (LDA), 112 nonfederal, 7 military, 149 partial, 9 ISMLS, and 36 SDF.

[F]Includes 16 military.

Source: FAA

FORECASTS AND OTHER INFORMATION

Estimated Active General Aviation Aircraft
(Thousands)

As of December 31	Fixed Wing				Rotorcraft			
	Piston							
	Single Engine	Multi-Engine	Turboprop	Turbojet	Piston	Turbine	Other	Total
Historical								
1979	168.4	25.1	3.5	2.7	3.1	2.7	4.8	210.3
1980	168.4	24.6	4.1	3.0	2.8	3.2	4.9	211.0
1981	167.9	25.5	4.7	3.2	3.3	3.7	5.0	213.3
1982	164.2	25.0	5.2	4.0	2.4	3.7	5.2	209.7
1983	166.4	25.1	5.5	3.9	2.5	4.0	5.9	213.3
1984	171.9	25.5	5.8	4.3	2.9	4.2	6.3	220.9
1985	164.4	23.8	5.4	4.4	2.9	3.6	6.3	210.7
Forecast								
1986	163.7	23.6	5.5	4.6	2.8	3.8	6.4	210.4
1987	162.3	23.5	5.6	4.8	2.7	4.0	6.7	209.6
1988	161.0	23.4	5.7	5.0	2.6	4.2	7.0	208.9
1989	160.0	23.3	5.9	5.2	2.6	4.4	7.3	208.7
1990	159.4	23.2	6.1	5.4	2.5	4.7	7.6	208.9
1991	158.8	23.2	6.3	5.6	2.5	5.0	7.9	209.3
1992	160.0	23.3	6.6	5.9	2.5	5.3	8.3	211.9
1993	160.5	23.4	6.9	6.2	2.4	5.6	8.6	213.6
1994	161.0	23.5	7.1	6.4	2.4	5.9	8.9	215.2
1995	161.5	23.6	7.3	6.6	2.3	6.1	9.2	216.6
1996	162.0	23.7	7.5	6.8	2.2	6.3	9.5	218.0
1997	162.5	23.8	7.7	7.0	2.1	6.5	9.7	219.3

Source: FAA

Notes: Detail may not add to total because of independent rounding.

An active aircraft must have a current registration and it must have been flown at least one hour during the previous calendar year.

Forecast Active Pilots by Type of Certificate
(Thousands)

As of December 31	Student	Private	Commercial	Airline Transport	Helicopter	Glider	Lighter-Than-Air	Total	Instrument Rated[1]
1986	145.2	308.0	148.6	85.2	8.3	8.3	1.1	704.7	260.4
1987	143.7	304.9	145.6	88.9	8.4	8.4	1.2	701.1	261.7
1988	142.3	303.4	144.1	91.5	8.5	8.6	1.2	699.6	263.0
1989	140.9	301.9	142.7	93.2	8.7	8.8	1.2	697.4	264.7
1990	139.5	300.4	141.3	94.4	8.8	8.9	1.2	694.5	266.1
1991	138.1	298.9	139.8	95.8	9.0	9.0	1.2	691.8	267.4
1992	139.1	300.8	138.5	97.7	9.3	9.1	1.3	695.8	268.7
1993	139.5	301.7	138.5	99.7	9.4	9.2	1.4	699.4	270.1
1994	139.9	302.7	140.0	102.5	9.5	9.3	1.5	705.4	271.4
1995	140.4	303.6	141.4	104.6	9.6	9.4	1.6	710.6	272.8
1996	140.8	304.5	142.8	106.8	9.7	9.5	1.7	715.8	274.1
1997	141.2	305.5	144.3	108.1	9.8	9.6	1.8	720.3	275.5

(1) Instrument rated pilots should not be added to other categories in deriving total.

Source: FAA

Note: Detail may not add to total because of rounding.

FLIGHT HOURS FORECAST—

Forecast Hours Flown in General Aviation by Type of Aircraft
(Millions)

Fiscal Year	Fixed Wing				Rotocraft		Other	Total
	Piston							
	Single Engine	Multi-Engine	Turboprop	Turbojet	Piston	Turbine		
Historical								
1980	28.8	6.6	2.1	1.3	.9	1.8	.4	41.9
1981	27.9	6.4	2.2	1.5	.8	1.8	.4	41.0
1982	25.2	6.0	2.1	1.6	.6	1.8	.4	37.7
1983	23.8	5.8	2.2	1.5	.6	1.7	.4	36.0
1984	23.4	5.7	2.4	1.6	.6	1.9	.4	36.0
1985	23.4	5.7	2.6	1.8	.6	1.7	.4	36.2
1986E	22.4	4.8	2.1	1.7	.6	1.8	.4	33.8
Forecast								
1987	22.2	4.8	2.2	1.8	.6	1.9	.4	33.9
1988	21.9	4.8	2.2	1.9	.6	1.9	.4	33.7
1989	21.8	4.7	2.3	1.9	.6	2.0	.4	33.7
1990	21.7	4.7	2.4	2.0	.6	2.2	.4	34.0
1991	21.6	4.7	2.4	2.1	.6	2.3	.4	34.1
1992	21.8	4.7	2.6	2.2	.6	2.5	.4	34.8
1993	21.9	4.8	2.7	2.3	.5	2.6	.5	35.3
1994	21.9	4.8	2.8	2.4	.5	2.7	.5	35.6
1995	22.0	4.8	2.8	2.4	.5	2.8	.5	35.8
1996	22.0	4.9	2.9	2.5	.5	2.9	.6	36.3
1997	22.1	4.9	2.9	2.6	.5	3.0	.6	36.6
1998	22.1	4.9	3.0	2.6	.5	3.1	.6	36.8

E—Estimate
Notes: Detail may not add to total because of independent rounding.
Source: FAA

FUEL USE FORECAST—

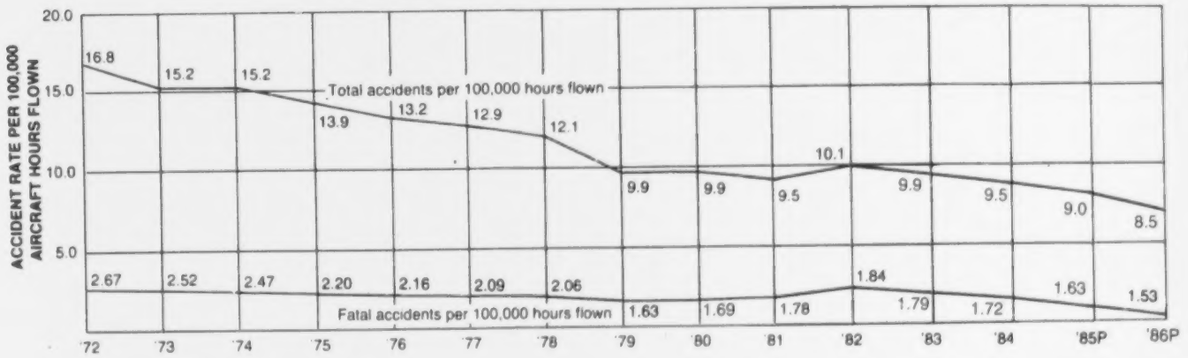
Estimated Fuel Consumed by General Aviation, by Type of Aircraft
(Millions of Gallons)

Fiscal Year	Fixed Wing				Rotocraft		Other	Total
	Piston							
	Single Engine	Multi-Engine	Turboprop	Turbojet	Piston	Turbine		
Historical								
1980	287.6	231.1	223.9	474.6	13.3	59.7	.8	1,291.0
1981	276.5	206.1	219.6	483.2	13.3	57.8	.8	1,257.3
1982	251.2	197.4	230.8	562.1	9.7	62.5	.5	1,314.2
1983	235.1	189.3	230.9	396.2	7.8	54.2	.4	1,113.9
1984	248.8	196.3	236.4	408.0	8.5	62.9	.2	1,161.1
1985	249.4	178.4	210.2	433.2	8.7	58.9	.1	1,302.7
1986E	242.9	168.8	200.6	453.5	8.7	61.6	.1	1,136.2
Forecast								
1987	239.7	167.9	207.7	480.6	8.7	66.0	.1	1,170.7
1988	237.5	167.9	210.1	507.7	8.7	66.9	.1	1,198.8
1989	236.2	165.3	2117.3	514.4	8.7	69.5	.1	1,211.5
1990	235.1	164.4	222.0	514.4	8.7	75.7	.1	1,220.4
1991	233.9	164.4	229.2	534.7	8.7	80.1	.1	1,251.1
1992	235.4	164.4	243.6	582.1	8.7	86.2	.1	1,320.5
1993	236.7	167.0	255.5	615.9	7.7	90.6	.2	1,373.6
1994	236.9	167.9	265.1	643.0	7.3	94.2	.2	1,414.6
1995	237.7	167.9	267.5	649.8	7.3	97.7	.2	1,428.1
1996	238.0	170.5	274.6	670.1	7.3	101.2	.2	1,461.9
1997	238.8	171.4	277.0	697.1	7.3	104.7	.2	1,496.5
1998	239.1	171.4	284.2	703.9	7.3	108.3	.3	1,514.5

E—Estimate
Source: FAA

HISTORICAL SAFETY RECORD

Accident Rates in U.S. General Aviation (1972–1985)



1985, 1986—Preliminary
Source—NTSB

AIRCRAFT FUEL CONSUMPTION

General Aviation Fuel Consumption
By Aircraft Type
1984

Aircraft Type	Mean Rate GPH	Estimated Fuel Use (mil gal)	Standard Error (mil gal)
Fixed Wing			
Piston			
1 Eng 1-3 Seats	10.16	82.47	3.0
1 Eng 4+ Seats	11.23	168.91	4.3
Total 1 Eng	10.87	251.38	5.3
2 Eng 1-6 Seats	27.53	75.39	4.0
2 Eng 7+ Seats	36.64	82.27	6.9
Total 2 Eng	31.54	157.67	8.0
Other Piston	148.50	4.37	1.5
Total Piston	**14.26**	**413.42**	**9.6**
Turboprop			
2 Eng 1-12 Seats	79.73	117.77	6.1
2 Eng 13+ Seats	117.85	68.99	8.6
Total 2 Eng	86.76	186.76	10.5
Other Turboprop	46.88	3.77	0.3
Total Turboprop	**85.18**	**190.53**	**10.5**
Turbojet			
2 Eng	238.96	376.26	17.4
Other	527.26	67.11	8.2
Total Turbojet	**265.52**	**443.37**	**19.2**
Total Fixed Wing	**26.70**	**1047.32**	**23.9**
Rotocraft			
Piston	13.84	7.65	1.1
Turbine	31.53	57.13	4.8
Total Rotocraft	**26.52**	**64.77**	**4.9**
Other	3.65	0.39	0.2
Total Aircraft	**26.69**	**1112.48**	**24.4**
Total Jet Fuel	117.00	691.02	22.4
Total Aviation Gasoline	14.25	421.46	9.7

Source: FAA

General Aviation Manufacturers Association

The General Aviation Manufacturers Association (GAMA)—a national trade association headquartered in Washington, D.C., represents 35 U.S. manufacturers of general aviation aircraft, engines, avionics, and related items.

Aeroquip Corporation
Aerospace Division
300 South East Avenue
Jackson, MI 49203
(517) 787-8121

Aire-Sciences, Inc.
216 Passaic Avenue
Fairfield, NJ 07006
(201) 228-1880

Allied-Signal, Inc.
Bendix Aircraft Systems Company
1000 Wilson Blvd.
30th Floor
Arlington, VA 22209
(703) 276-2000

AVCO Lycoming Textron
Stratford Division
550 South Main Street
Stratford, CT 06497
(203) 385-2000

AVCO Lycoming Textron
Williamsport Division
652 Oliver Street
Williamsport, PA 17701
(717) 323-6181

Aviation Simulation Technology, Inc.
Hanscom Field-East
Bedford, MA 01730
(617) 274-6600

Beech Aircraft Corporation
9709 East Central
Wichita, KS 67201-0085
(316) 681-7111

Century Flight Systems, Inc.
P.O. Box 610
Mineral Wells, TX 76067
(817) 325-2517

Cessna Aircraft Company
P.O. Box 1521
Wichita, KS 67201
(316) 685-9111

Champion Spark Plug Company
Aviation Products Group
P.O. Box 910
Toledo, OH 43661-0001
(419) 535-2461

Collins Avionics Group
Rockwell International
400 Collins Road NE
Cedar Rapids, IA 52498
(319) 395-1000

Fairchild Aircraft Corporation
P.O. Box 790490
San Antonio, TX 78279-0490
(512) 824-9421

FlightSafety International, Inc.
Marine Air Terminal
LaGuardia Airport
New York, NY 11371
(718) 565-4100

Garrett Corporation
Garrett Turbine Engine Company
111 South 34th Street
P.O. Box 5217
Phoenix, AZ 85010
(602) 231-1000

BFGoodrich Company
Aerospace and Defense Division
250 N. Cleveland-Massillon Rd.
Akron, OH 44313-0501
(216) 374-2000

Goodyear Tire and Rubber Company
Aviation Products Worldwide
Akron, OH 44316-0001
(216) 796-7600

Gulfstream Aerospace Corporation
P.O. Box 2206
Savannah, GA 31402
(912) 964-3000

Hartzell Propeller Inc.
1800 Covington Avenue
Piqua, OH 45356
(513) 778-4200

Honeywell, Inc.
Commercial Flight Systems Division
P.O. Box 889
Minneapolis, MN 55440
(612) 542-5133

Honeywell, Inc.
Sperry Commercial Flight Systems Division
P.O. Box 21111
Phoenix, AZ 85036
(602) 863-2311

Jeppesen Sanderson, Inc.
55 Inverness Drive East
Englewood, CO 80112
(303) 799-9090

Marathon Power Technologies
P.O. Box 8233
Waco, TX 76714
(817) 776-0650

McCreary Tire & Rubber Company
1600 Washington Street
Indiana, PA 15701
(412) 349-9010

Midland Ross Corporation
Aerospace Group
4200 Surface Road
Columbus, OH 43228
(614) 276-3561

Pacific Scientific Corporation
Advanced Technology Group
1346 S. State College Blvd.
Anaheim, CA 92803
(714) 774-5217

Parker Hannifin Corporation
Parker Bertea Aerospace Group
18321 Jamboree Blvd.
Irvine, CA 92715
(714) 833-3000

Piper Aircraft Corporation
P.O. Box 1328
Vero Beach, FL 32961-1328
(305) 567-4361

Rohr Industries, Inc.
P.O. Box 878
Chula Vista, CA 92012-0878
(619) 691-4111

Sabreliner Corporation
6161 Aviation Drive
St. Louis, MO 63134
(314) 731-2260

Singer Company
8 Stamford Forum
Stamford, CT 06904-2151
(203) 356-4200

Sundstrand Corporation
Sundstrand Data Control, Inc.
15001 NE 36th Street
Redmond, WA 98073
(206) 885-3711

Teledyne Continental Motors
Aircraft Products Division
P.O. Box 90
Mobile, AL 36601
(205) 438-3411

Unison Industries, Inc.
Slick Aircraft Products
530 Blackhawk Park Avenue
Rockford, IL 61108
(815) 965-4700

United Technologies Corporation
Pratt & Whitney Canada
1000 Marie-Victorin Blvd.
Lonqueuil, Quebec
Canada J4G 1A1
(514) 677-9411

Woodward Governor Company
Aircraft Controls Division
P.O. Box 7001
Rockford, IL 61125-7001
(815) 877-7441

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